

Boiler 2 CEMS Downtime

Colmac Energy

CO lb/hr CEMS Downtime for 10/1/2019 thru 12/31/2019

Parameter	Start	End	Duration	Reason	Action
CO lb/hr	10/16/2019 1:00 PM	1:59 PM	1 hour	CEM out of service for maintenance.	Maintenance complete, CEM back in service.
CO lb/hr	10/17/2019 7:00 PM	8:59 PM	2 hours	CEM out of service for maintenance.	Maintenance complete, CEM back in service.
CO lb/hr	11/3/2019 6:00 AM	6:59 AM	1 hour	CEM out of service for maintenance.	Maintenance complete, CEM back in service.
CO lb/hr	11/4/2019 10:00 PM	11:59 PM	2 hours	Lost communication to CEM.	Communication re-established, CEM back in service.
CO lb/hr	11/5/2019 12:00 AM	1:59 AM	2 hours	Lost communication to CEM.	Communication re-established, CEM back in service.
CO lb/hr	11/9/2019 5:00 AM	6:59 AM	2 hours	CEM out of service for maintenance.	Maintenance complete, CEM back in service.
CO lb/hr	11/9/2019 3:00 PM	11:59 PM	9 hours	CEM out of service for maintenance.	Maintenance complete, CEM back in service.
CO lb/hr	11/10/2019 12:00 AM	12:59 PM	13 hours	CEM out of service for maintenance.	Maintenance complete, CEM back in service.
CO lb/hr	11/10/2019 4:00 PM	4:59 PM	1 hour	CEM out of service for maintenance.	Maintenance complete, CEM back in service.
CO lb/hr	11/27/2019 3:00 AM	4:59 AM	2 hours	CEM out of service for maintenance.	Maintenance complete, CEM back in service.
Total duration			35 hours		

EMISSIONS DOWNTIME
REPORT
STACK CEMS

Boilers Stack CEMS Downtime

Colmac Energy

Opacity % 6-Min Avg CEMS Downtime for 10/1/2019 thru 12/31/2019

Parameter	Start	End	Duration	Reason	Action
Opacity % 6-Min Avg	10/23/2019 9:36 PM	9:41 PM	6 minutes	<i>Not specified</i>	
Opacity % 6-Min Avg	11/4/2019 10:30 PM	11:59 PM	1 hour, 30 minutes	Lost communication to CEM.	Communication re-established, CEM back in service.
Opacity % 6-Min Avg	11/5/2019 12:06 AM	12:59 AM	54 minutes	Lost communication to CEM.	Communication re-established, CEM back in service.
Opacity % 6-Min Avg	11/5/2019 1:06 AM	1:23 AM	18 minutes	Lost communication to CEM.	Communication re-established, CEM back in service.
Opacity % 6-Min Avg	11/9/2019 5:42 AM	5:59 AM	18 minutes	CEM out of service for maintenance.	Maintenance complete, CEM back in service.
Opacity % 6-Min Avg	11/9/2019 6:06 AM	6:41 AM	36 minutes	CEM out of service for maintenance.	Maintenance complete, CEM back in service.
Opacity % 6-Min Avg	12/5/2019 3:54 AM	3:59 AM	6 minutes	Boiler Offline	
Opacity % 6-Min Avg	12/5/2019 2:06 PM	3:35 PM	1 hour, 30 minutes	STACK CALIBRATION	Calibration Complete
Total duration			5 hours, 18 minutes		

EXCESS EMISSIONS REPORTS
BOILER #1 CEMS

Boiler 1 Excess Emissions

Colmac Energy

NOx ppm @3% O2 3-Hr Rolling Excess Emissions for 10/1/2019 thru 12/31/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
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There are no excess emissions for this report.

Boiler 1 Excess Emissions

Colmac Energy

NOx lb/mmbtu 30 SOD Rlg Avg Excess Emissions for 10/1/2019 thru 12/31/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
-----------	-------	-----	----------	-------	-----	-----	-------	--------	--------

There are no excess emissions for this report.

Boiler 1 Excess Emissions

Colmac Energy

NOx lb/hr 3-Hr Rolling Excess Emissions for 10/1/2019 thru 12/31/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
NOx lb/hr 3-Hr Rolling	12/11/2019 9:00 AM	9:59 AM	1 hour	31.0	31.0	31.0	30	O2 wet analyzer inverter failed	E/I performed a single point calibration on the wet O2
Total duration			1 hour						

Boiler 1 Excess Emissions

Colmac Energy

NOx lbs/day Excess Emissions for 10/1/2019 thru 12/31/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
-----------	-------	-----	----------	-------	-----	-----	-------	--------	--------

There are no excess emissions for this report.

Boiler 1 Excess Emissions

Colmac Energy

SO2 ppm @3% O2 3-Hr Rolling Excess Emissions for 10/1/2019 thru 12/31/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
-----------	-------	-----	----------	-------	-----	-----	-------	--------	--------

There are no excess emissions for this report.

Boiler 1 Excess Emissions

Colmac Energy

SO2 ppm @3% O2 30 SOD Rlg Avg Excess Emissions for 10/1/2019 thru 12/31/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
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There are no excess emissions for this report.

Boiler 1 Excess Emissions

Colmac Energy

SO2 lb/mmbtu 30 SOD Rlg Avg Excess Emissions for 10/1/2019 thru 12/31/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
-----------	-------	-----	----------	-------	-----	-----	-------	--------	--------

There are no excess emissions for this report.

Boiler 1 Excess Emissions

Colmac Energy

SO2 lb/hr 3-Hr Rolling Excess Emissions for 10/1/2019 thru 12/31/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
-----------	-------	-----	----------	-------	-----	-----	-------	--------	--------

There are no excess emissions for this report.

Boiler 1 Excess Emissions

Colmac Energy

CO ppm @3% O2 3-Hr Rolling Excess Emissions for 10/1/2019 thru 12/31/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
-----------	-------	-----	----------	-------	-----	-----	-------	--------	--------

There are no excess emissions for this report.

Boiler 1 Excess Emissions

Colmac Energy

CO lb/hr 3-Hr Rolling Excess Emissions for 10/1/2019 thru 12/31/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
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There are no excess emissions for this report.

EXCESS EMISSIONS REPORTS
BOILER #2 CEMS

Boiler 2 Excess Emissions

Colmac Energy

NOx ppm @3% O2 3-Hr Rolling Excess Emissions for 10/1/2019 thru 12/31/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
-----------	-------	-----	----------	-------	-----	-----	-------	--------	--------

There are no excess emissions for this report.

Boiler 2 Excess Emissions

Colmac Energy

NOx lb/mmbtu 30 SOD Rlg Avg Excess Emissions for 10/1/2019 thru 12/31/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
-----------	-------	-----	----------	-------	-----	-----	-------	--------	--------

There are no excess emissions for this report.

Boiler 2 Excess Emissions

Colmac Energy

NOx lb/hr 3-Hr Rolling Excess Emissions for 10/1/2019 thru 12/31/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
-----------	-------	-----	----------	-------	-----	-----	-------	--------	--------

There are no excess emissions for this report.

Boiler 2 Excess Emissions

Colmac Energy

NOx lbs/day Excess Emissions for 10/1/2019 thru 12/31/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
-----------	-------	-----	----------	-------	-----	-----	-------	--------	--------

There are no excess emissions for this report.

Boiler 2 Excess Emissions

Colmac Energy

SO2 ppm @3% O2 3-Hr Rolling Excess Emissions for 10/1/2019 thru 12/31/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
-----------	-------	-----	----------	-------	-----	-----	-------	--------	--------

There are no excess emissions for this report.

Boiler 2 Excess Emissions

Colmac Energy

SO2 ppm @3% O2 30 SOD Rlg Avg Excess Emissions for 10/1/2019 thru 12/31/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
-----------	-------	-----	----------	-------	-----	-----	-------	--------	--------

There are no excess emissions for this report.

Boiler 2 Excess Emissions

Colmac Energy

SO2 lb/mmbtu 30 SOD Rlg Avg Excess Emissions for 10/1/2019 thru 12/31/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
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There are no excess emissions for this report.

Boiler 2 Excess Emissions

Colmac Energy

SO2 lb/hr 3-Hr Rolling Excess Emissions for 10/1/2019 thru 12/31/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
-----------	-------	-----	----------	-------	-----	-----	-------	--------	--------

There are no excess emissions for this report.

Boiler 2 Excess Emissions

Colmac Energy

CO ppm @3% O2 3-Hr Rolling Excess Emissions for 10/1/2019 thru 12/31/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
-----------	-------	-----	----------	-------	-----	-----	-------	--------	--------

There are no excess emissions for this report.

Boiler 2 Excess Emissions

Colmac Energy

CO lb/hr 3-Hr Rolling Excess Emissions for 10/1/2019 thru 12/31/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
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There are no excess emissions for this report.

EXCESS EMISSIONS REPORTS STACK CEMS

Boilers Stack Excess Emissions

Colmac Energy

Opacity % 3-Min Avg Excess Emissions for 10/1/2019 thru 12/31/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
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There are no excess emissions for this report.

Boilers Stack Excess Emissions

Colmac Energy

Opacity % 6-Min Avg Excess Emissions for 10/1/2019 thru 12/31/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
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There are no excess emissions for this report.



South Coast Air Quality Management District

Form 500-N**Title V - Deviations, Emergencies & Breakdowns**

*This written report is in addition to requirements to verbally report certain types of incidents. Verbal reports may be made by calling AQMD at 1-800-288-7664 (1-800-CUT-SMOG) or AQMD enforcement personnel.

Mail To:
SCAQMD
P.O. Box 4941
Diamond Bar, CA 91765-0941

Tel: (909) 396-3385
www.aqmd.gov

Section I - Operator Information

1. Facility Name (Business Name of Operator That Appears On Permit): <u>Desert View Power</u>		2. Valid AQMD Facility ID (Available On Permit Or Invoice Issued By AQMD): <u>100154</u>	
3. Address: (where incident occurred) <u>62-300 Gene Welmas Dr.</u> Street Address <u>Mecca</u> City <u>CA</u> <u>92254</u> State Zip			
4. Mailing Address: (if different from Item 3) <u>Same As Above</u> Street Address City State Zip			
5. Provide the name, title, and phone number of the person to contact for further information: <u>Kevin Lawrence</u> <u>Operations Manager</u> <u>(760) 262-1644</u> Name Title Phone #			

Section II - Reporting of Breakdowns, Deviations, and Emergencies

1. This written notification is to report a(n):			
Type of Incident	Verbal Report Due*	Written Report Due	
a. <input type="checkbox"/> Emergency under Rule 3002(g)	Within 1 hour of discovery	Within 2 working days from when the emission limit was exceeded.	
b. <input type="checkbox"/> Breakdown under: <input type="checkbox"/> Rule 430 (Non-RECLAIM) <input type="checkbox"/> Rule 2004 (RECLAIM) <input type="checkbox"/> Rule 218 (Non-RECLAIM) [See Rule 218(f)(3)]	For Rules 430 & 2004 - Within 1 hour of discovery. For Rule 218 - Within 24 hours or next business day for failure/shutdown exceeding 24 hours	For Rules 430 & 2004 - Within 7 calendar days after breakdown is corrected, but no later than 30 days from start of the breakdown, unless a written extension is granted. For Rule 218 - With required semi-annual reports.	
c. <input checked="" type="checkbox"/> Deviation with excess emissions [See Title V Permit, Section K, Condition No. 22B]	Within 72 hours of discovery of the deviation or shorter reporting period if required by an applicable State or Federal Regulation.	Within 14 days of discovery of the deviation.	
d. <input type="checkbox"/> Other Deviation [See Title V Permit, Section K, Condition Nos. 22D & 23]	None	With required semi-annual monitoring reports.	
2. The incident was first discovered by: <u>Louie Lopez</u> on <u>12/11/2019</u> <u>10:00</u> <input checked="" type="radio"/> AM <input type="radio"/> PM Name Date Time			
3. The incident was first reported by: <u>Operator #7</u> on <u>12/11/2019</u> <u>10:16</u> <input checked="" type="radio"/> AM <input type="radio"/> PM Name of AQMD Staff Person Date Time			
a. <input checked="" type="radio"/> Via Phone b. <input type="radio"/> In Person			
Notification Number (Required): <u>590901</u>			
4. When did the incident actually occur? <u>12/11/2019</u> <u>10:00</u> <input checked="" type="radio"/> AM <input type="radio"/> PM Date Time			

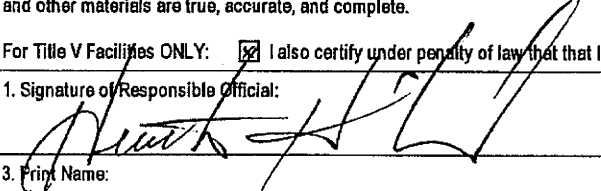
AQMD USE ONLY	Received By:		Assigned By:		Inspector:	
	Date/Time Received:		Date/Time Assigned:		Date/Time Received Assignment:	
	Date Delivered To Team:		Date Reviewed Inspector Report:		Date Inspected Facility:	
	Team:	Sector:	Breakdown/Deviation Notification No.		Date Completed Report:	
	Recommended Action:		Cancel Notification	Grant Relief	Issue NOV No. _____	Other: _____
	Final Action:		Cancel Notification	Grant Relief	Issue NOV No. _____	Other: _____

5. Has the incident stopped? a. ☒ Yes, on: 12/11/2019 11:00 ☒ AM ☐ PM b. ☐ No
Date Time
6. What was the total duration of the incident? 0 01
Days Hours
7. For equipment with an operating cycle, as defined in Rule 430 (b)(3)(A), when was the end of the operating cycle during which the incident occurred? 12/11/2019 10:00 ☒ AM ☐ PM
Date Time
8. Describe the incident and identify each piece of equipment (by permit, application, or device number) affected. Attach photos (when available) of the affected equipment and attach additional pages as necessary.
U1 CEM went into cal at 07:40. Upon completion of the cal U1 CEM failed O2 wet calibration. The E/I tech took U1 CEM out of service to perform a single point cal on the O2 wet. U1 did not comeback out of cal until 09:00. This elevated the hour average.
9. The incident may have resulted in a:
a. ☒ Violation of Permit Condition(s): EPA Permit CB-OP 99-01 II.A.15
b. ☐ Violation of AQMD Rule(s): _____
10. What was the probable cause of the incident? Attach additional pages as necessary.
High NOx readings after U1 CEM came out of daily calibration. U1 CEM failed the O2 wet and because of this there was less data to use for hour ending 09:00. That elevated that hour's average to 36.44. The 3 hour average is 30.0 lbs/hr.
11. Did the incident result in excess emissions? ☐ No ☒ Yes (Complete the following and attach calculations.)
☐ VOC _____ lbs ☒ NOx 30.800 lbs ☐ SOx _____ lbs ☐ H2S _____ lbs
☐ CO _____ lbs ☐ PM _____ lbs ☐ Other: _____ lbs _____ pollutant
12. For RECLAIM facilities Subject to Rule 2004 (i)(3) ONLY: If excess emissions of NOx and/or SOx were reported in Item 11, do you want these emissions to be counted when determining compliance with your annual allocations?
a. ☐ Yes, for: ☐ NOx ☐ SOx b. ☐ No, for: ☐ NOx ☐ SOx
If box 12(b) above is checked, include all information specified in Rule 2004(i)(3)(B) and (C), as applicable.
13. Describe the steps taken to correct the problem (i.e., steps taken to mitigate excess emissions, equipment repairs, etc.) and the preventative measures employed to avoid future incidents. Include photos of the failed equipment if available and attach additional pages as necessary.
After U1 CEM failed O2 wet our E/I tech performed a single point O2 calibration. Once out of cal the control room operator aised ammonia flow to lower 3-hr average.
14. Was the facility operating properly prior to the incident?
a. ☒ Yes b. ☐ No, because: _____
15. Did the incident result from operator error, neglect or improper operation or maintenance procedures?
a. ☐ Yes b. ☒ No, because: It was an equipment breakdown when the wet O2 failed calibration.
16. Has the facility returned to compliance?
a. ☐ No, because: _____
b. ☒ Yes (Attach evidence such as emissions calculations, contemporaneous operating logs or other credible evidence.)

Section III - Certification Statement

I certify under penalty of law that based on information and belief formed after reasonable inquiry, the statements and information in this document and in all attachments and other materials are true, accurate, and complete.

For Title V Facilities ONLY: ☒ I also certify under penalty of law that that I am the responsible official for this facility as defined in AQMD Regulation XXX.

1. Signature of Responsible Official: 	2. Title of Responsible Official: Plant Manager
3. Print Name: Heath Hildebrand	4. Date: 12/11/2019
5. Phone #: (760) 262-1600	6. Fax #:
7. Address of Responsible Official: 62-300 Gene Welmas Dr. Mecca CA 92254 Street # City State Zip	

Colmac Energy
Mecca, CA
Boiler 1 Daily Emissions Report
December 11, 2019

Emission Limits	
<i>Daily</i>	<i>30-Day Rolling</i>
NOx lbs- 648	NOx lb/mmBtu - 0.3
	SO2 lb/mmBtu - 1.2

Hour	O2%	NOx ppm	NOx ppm @3% O2	NOx lb/mmBtu	NOx lbs	SO2 ppm	SO2 ppm @3% O2	SO2 lb/mmBtu	SO2 lbs	CO ppm	CO ppm @3% O2	CO lb/mmBtu	CO lbs	Process Status
00	8.8	46.0	68.0	0.095	26.13	12.1	17.9	0.035	9.51	10.1	14.9	0.013	3.48	Normal
01	8.7	50.2	73.7	0.103	28.73	13.6	20.0	0.039	10.84	10.5	15.4	0.013	3.64	Normal
02	8.8	43.6	64.5	0.090	24.82	8.5	12.6	0.024	6.70	10.0	14.8	0.013	3.47	Normal
03	9.0	44.4	66.8	0.093	24.82	10.1	15.2	0.029	7.88	10.0	15.0	0.013	3.40	Normal
04	8.8	47.0	69.5	0.097	26.62	12.5	18.5	0.036	9.85	10.0	14.8	0.013	3.44	Normal
05	8.7	48.1	70.6	0.098	27.59	8.0	11.7	0.023	6.37	10.1	14.8	0.013	3.53	Normal
06	8.7	46.5	68.2	0.095	26.11	9.4	13.8	0.027	7.31	10.0	14.7	0.012	3.42	Normal
07	8.6	47.2	68.7	0.096	27.26	16.3	23.7	0.046	13.10	10.0	14.6	0.012	3.52	Normal
08	8.3	51.8	73.6	0.103	36.44	10.9	15.5	0.030	10.64	10.0	14.2	0.012	4.28	Normal
09	8.4	50.5	72.3	0.101	28.59	7.5	10.7	0.021	5.86	11.7	16.8	0.014	3.99	Normal
10	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
11	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
12	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
13	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
14	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
15	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
16	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
17	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
18	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
19	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
20	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
21	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
22	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
23	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Inval	Normal
Average Total 30-Day Ring 365-Day Ring	8.7	47.5	69.6	0.097	277.11	10.9	16.0	0.031	88.06	10.2	15.0	0.013	36.2	
				0.091				0.028	61500					

Boiler 1 Excess Emissions

Colmac Energy

NOx lb/hr 3-Hr Rolling Excess Emissions for 12/11/2019

Parameter	Start	End	Duration	Value	Min	Max	Limit	Reason	Action
NOx lb/hr 3-Hr Rolling	12/11/2019 9:00 AM	9:59 AM	1 hour	31.0	31.0	31.0	30	<i>Not specified</i>	
Total duration			1 hour						